FIG.1

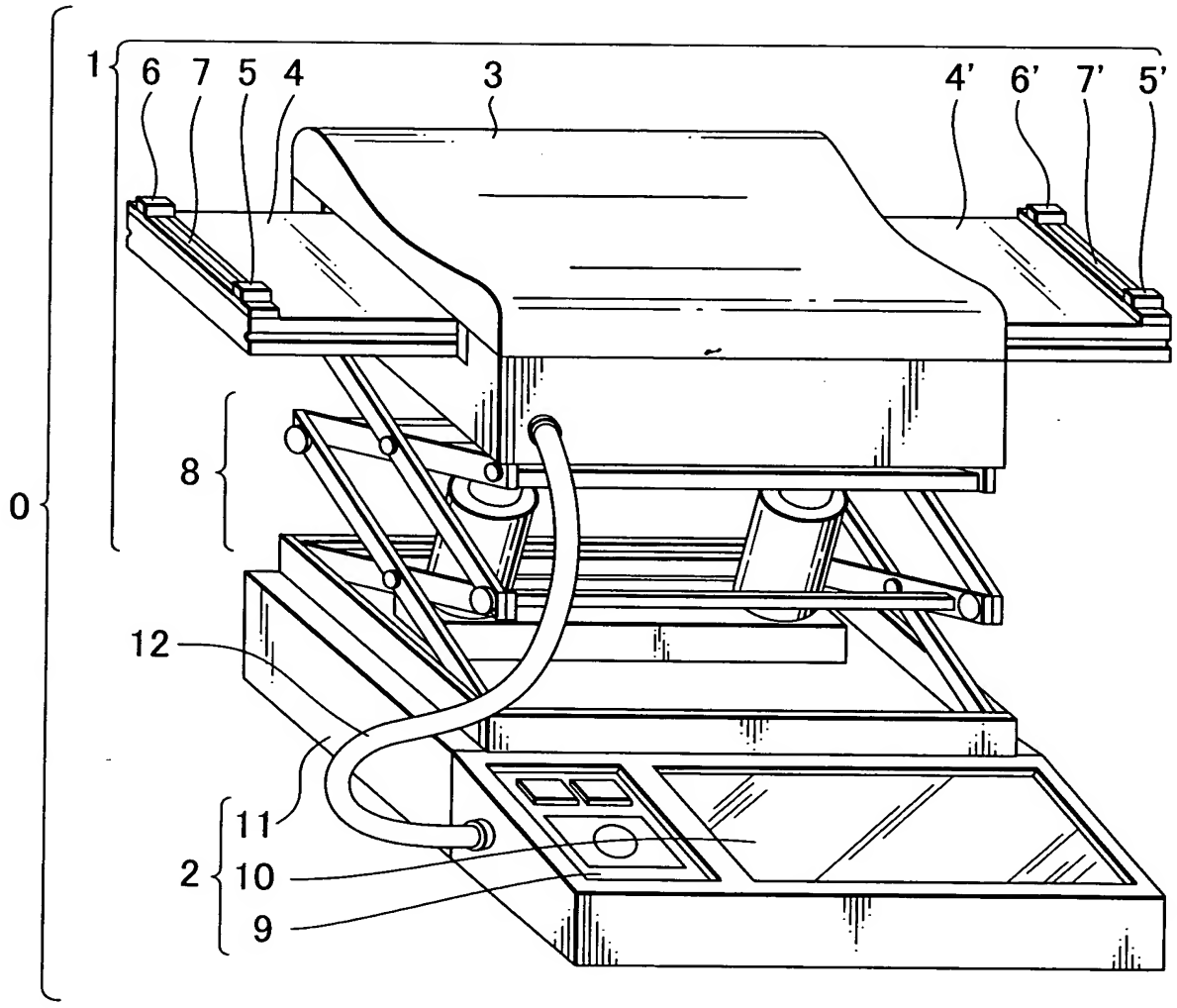

FIG.2

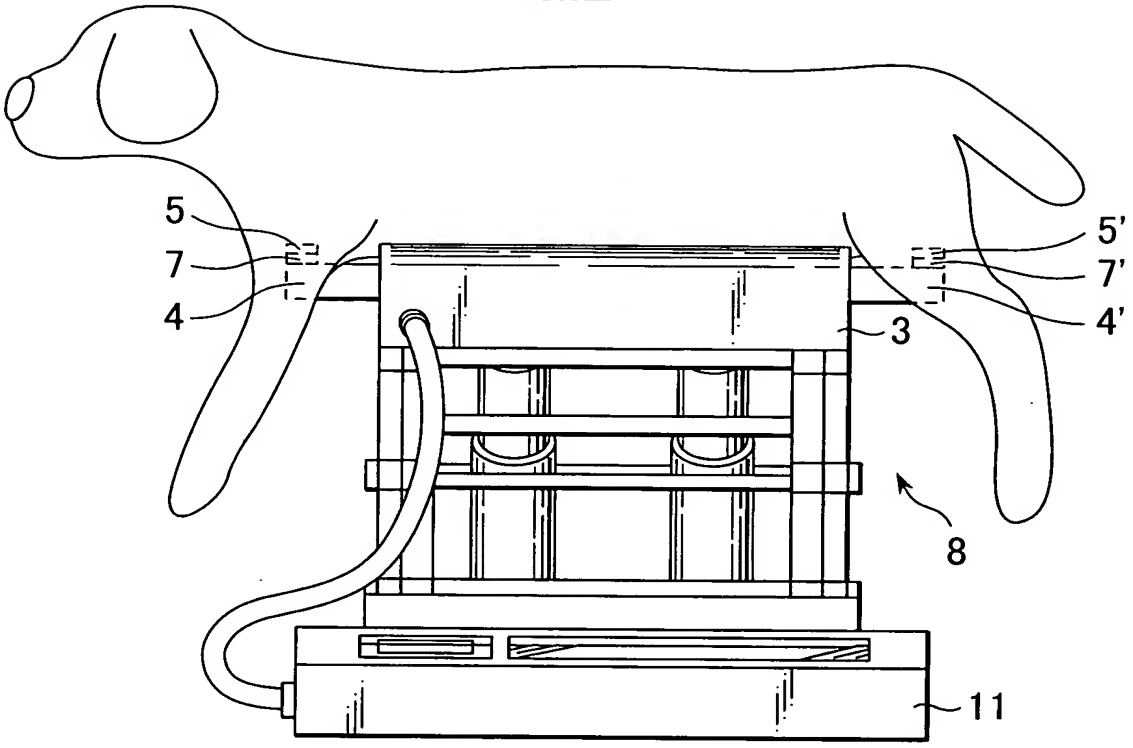

FIG.3

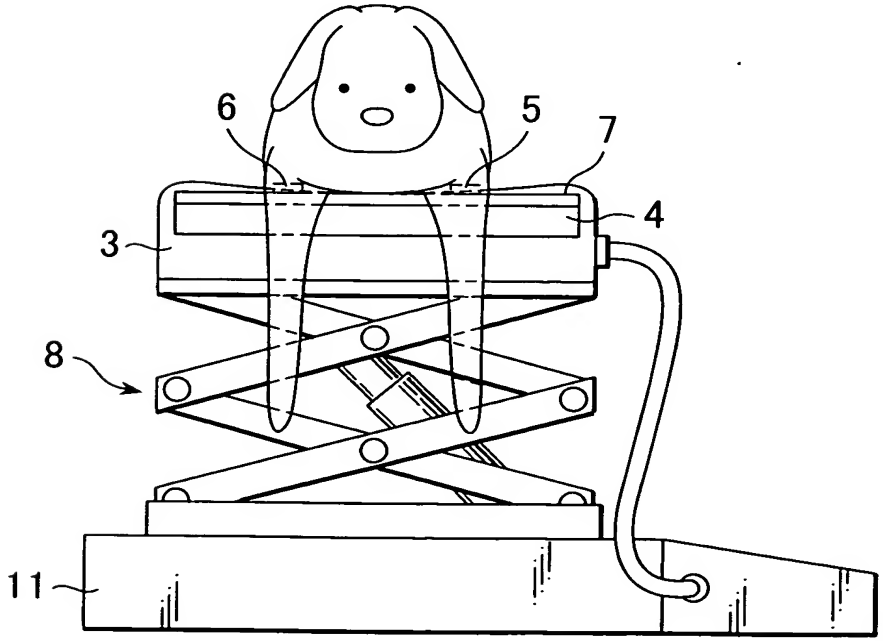

FIG.4

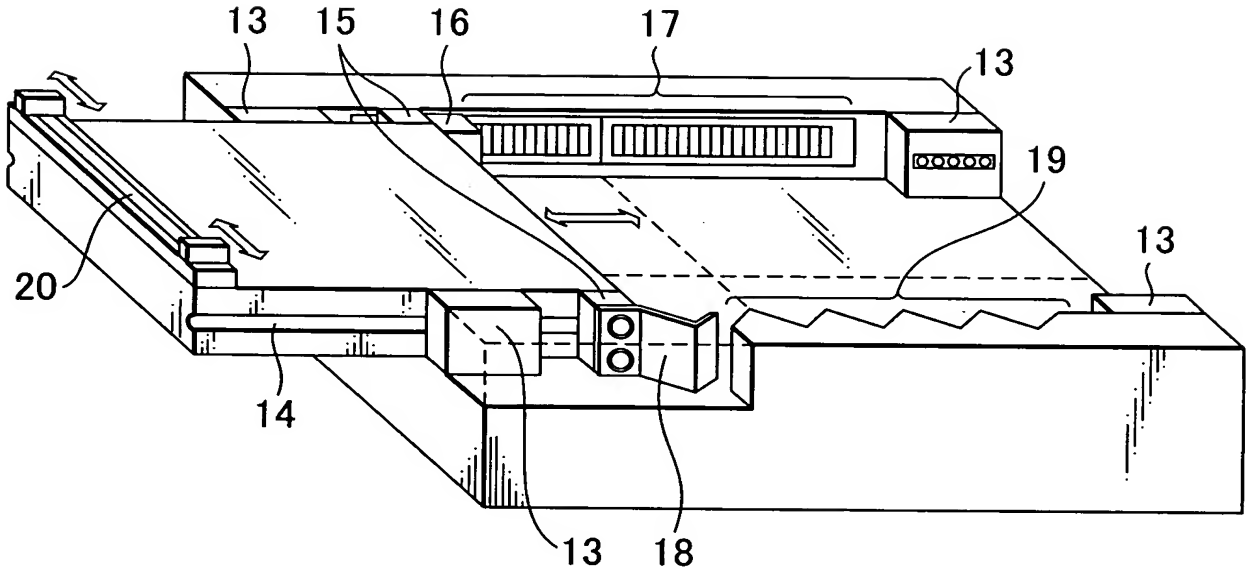

FIG.5

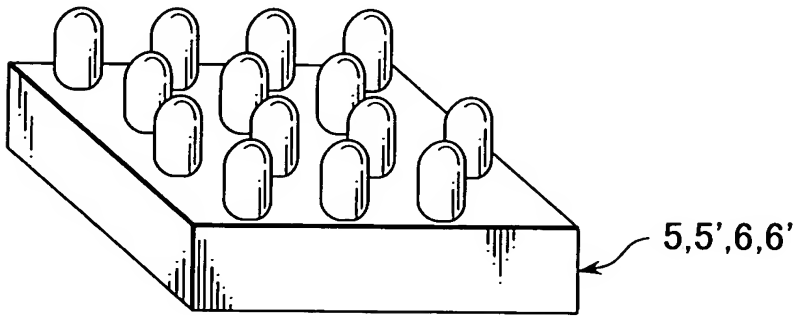

FIG. 6

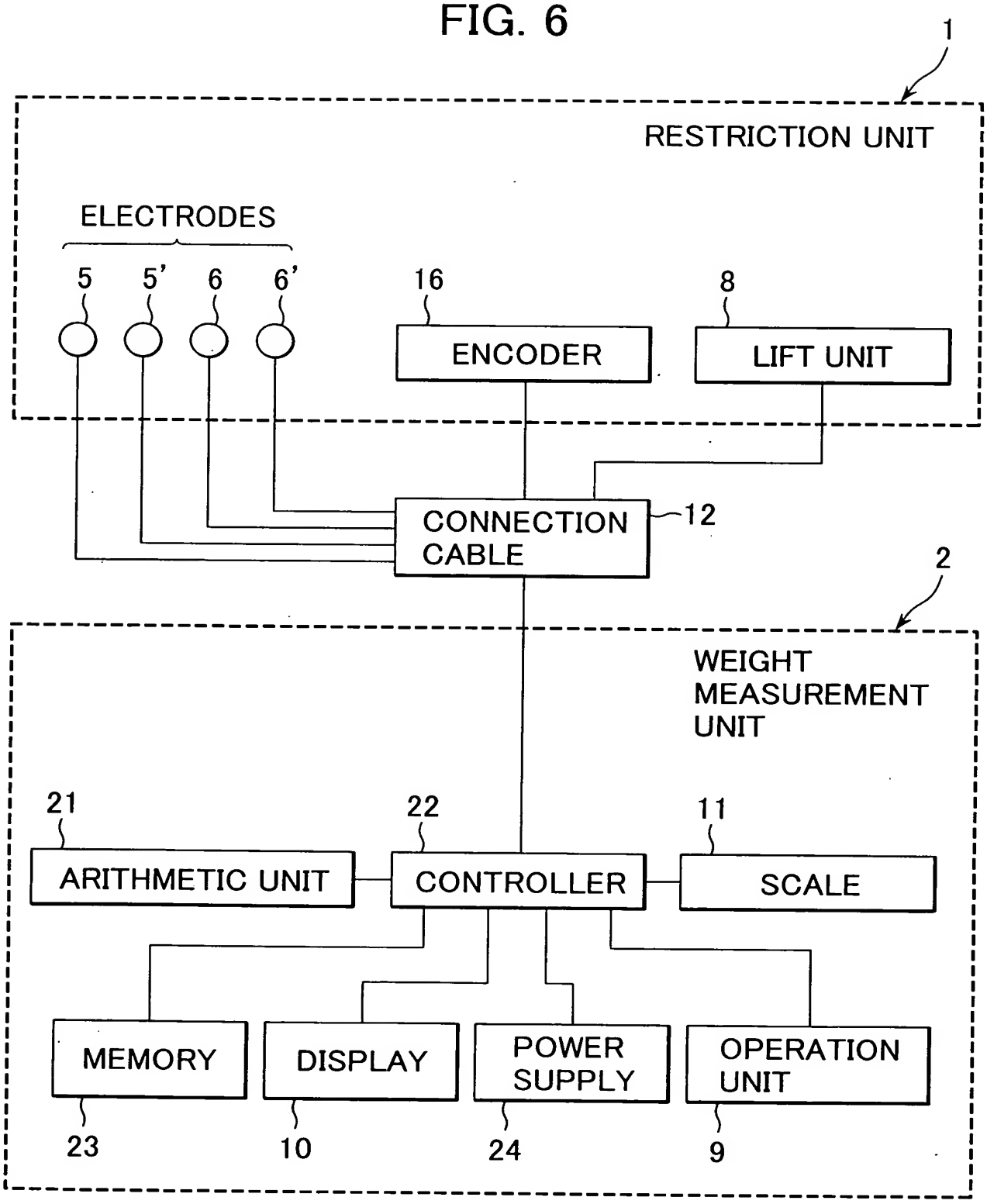
1
RESTRICTION UNIT
ELECTRODES
5
5'
6
6'
16
ENCODER
8
LIFT UNIT
CONNECTION CABLE
12
2
WEIGHT MEASUREMENT UNIT
21
ARITHMETIC UNIT
22
CONTROLLER
11
SCALE
MEMORY
23
DISPLAY
10
POWER SUPPLY
24
OPERATION UNIT
9

FIG. 7

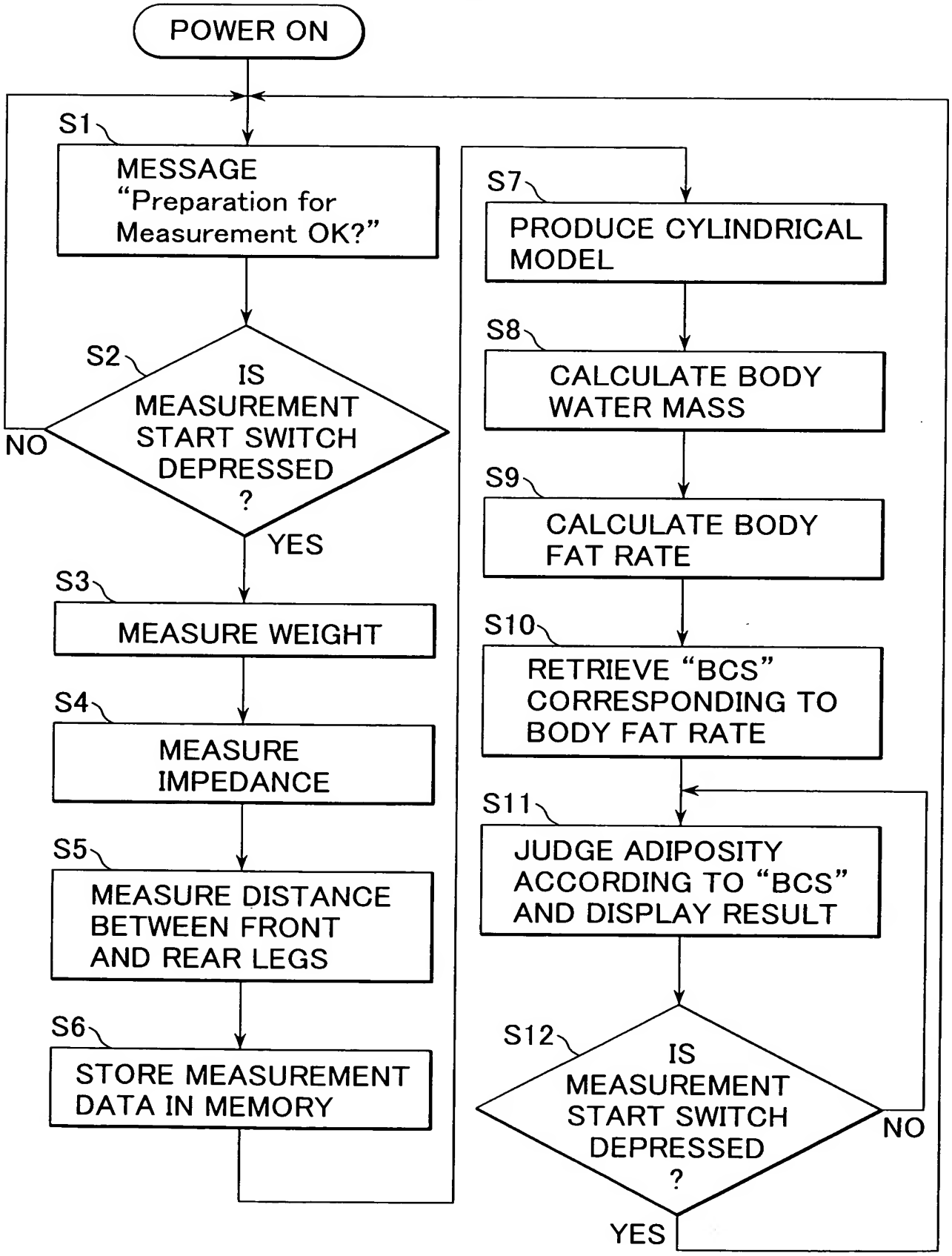
POWER ON
S1
MESSAGE "Preparation for Measurement OK?"
S2
IS MEASUREMENT START SWITCH DEPRESSED ?
NO
YES
S3
MEASURE WEIGHT
S4
MEASURE IMPEDANCE
S5
MEASURE DISTANCE BETWEEN FRONT AND REAR LEGS
S6
STORE MEASUREMENT DATA IN MEMORY
S7
PRODUCE CYLINDRICAL MODEL
S8
CALCULATE BODY WATER MASS
S9
CALCULATE BODY FAT RATE
S10
RETRIEVE "BCS" CORRESPONDING TO BODY FAT RATE
S11
JUDGE ADIPOSITY ACCORDING TO "BCS" AND DISPLAY RESULT
S12
IS MEASUREMENT START SWITCH DEPRESSED ?
NO
YES

FIG. 8

"BCS"	RANGE OF BODY FAT RATE(%FAT)
1	NOT GREATER THAN 5
2	6≦%FAT≦14
3	15≦%FAT≦24
4	25≦%FAT≦34
5	NOT LESS THAN 35

FIG. 9

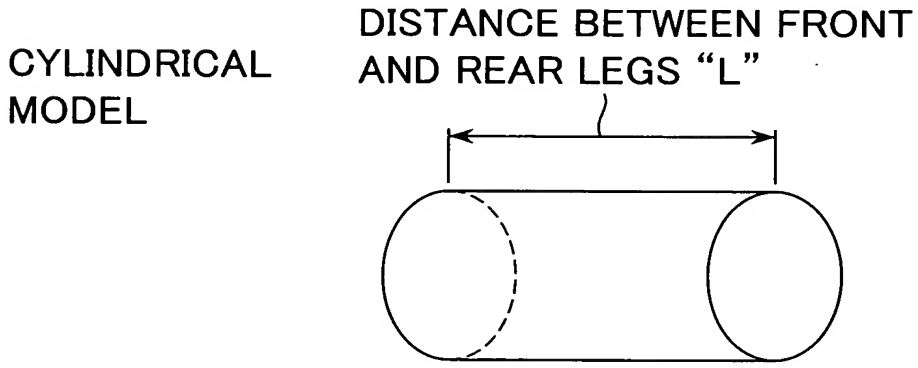

FIG. 10

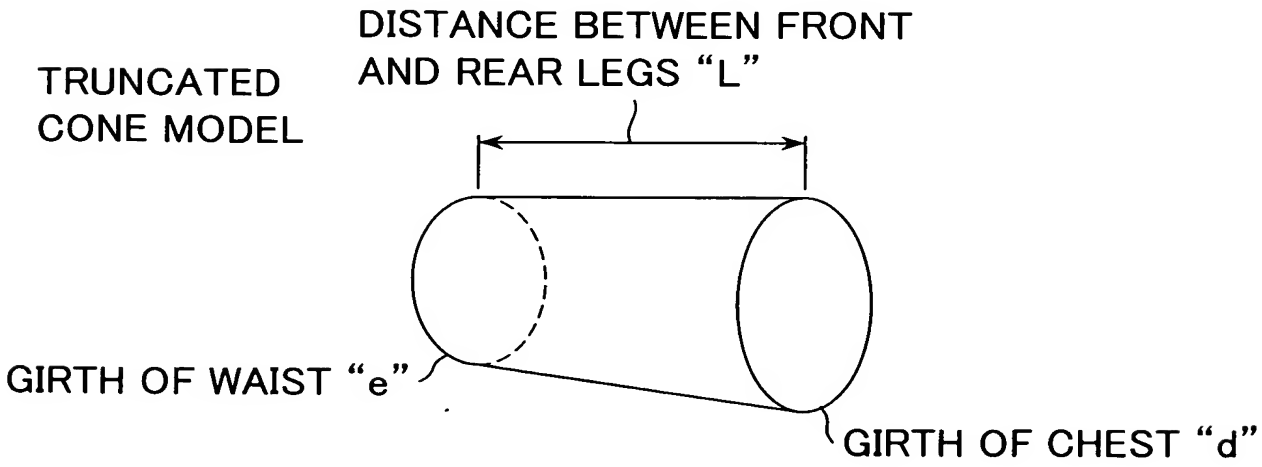

FIG.11

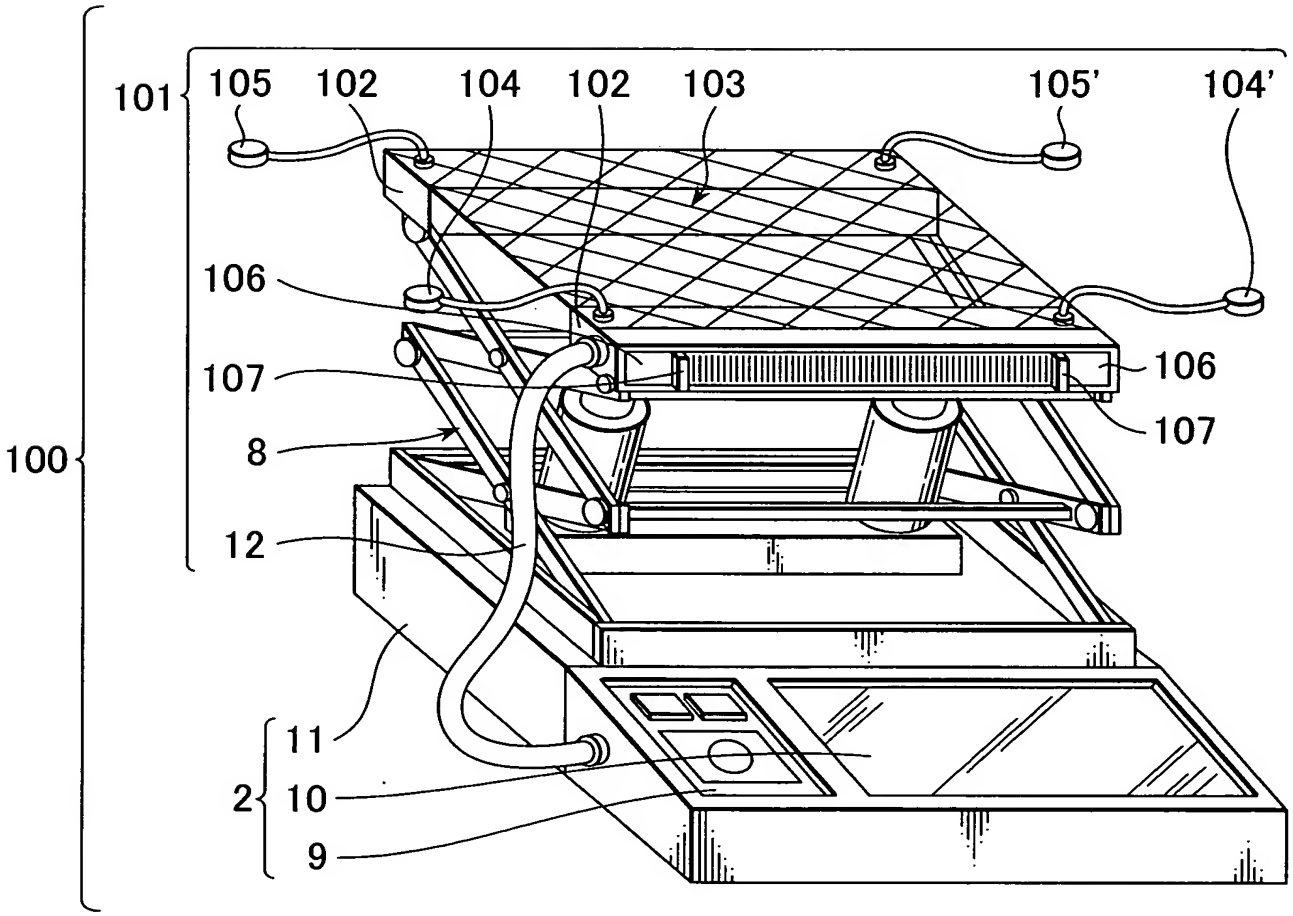

FIG.12

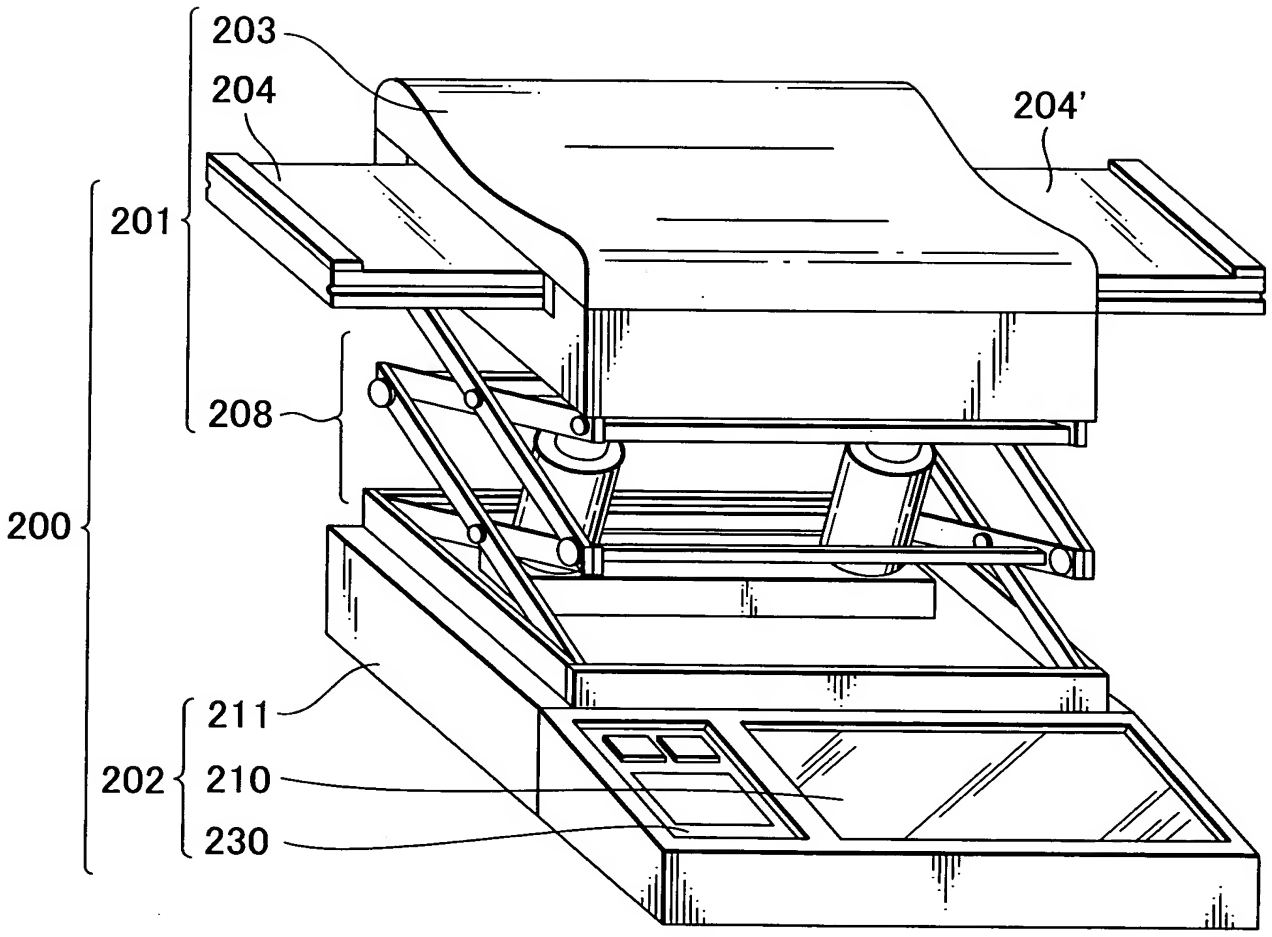

FIG. 13

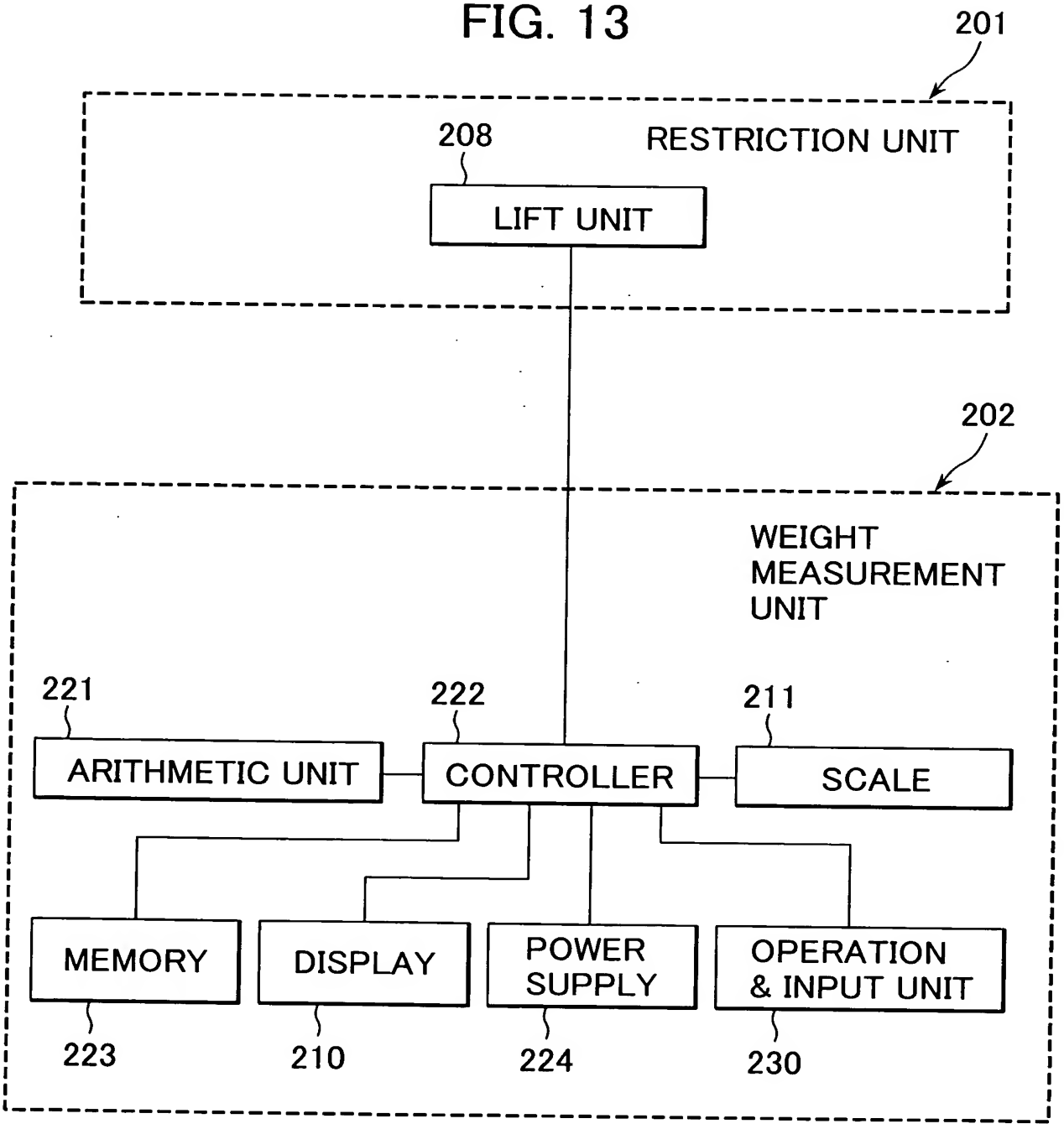
201
208
RESTRICTION UNIT
LIFT UNIT
202
WEIGHT
MEASUREMENT
UNIT
221
222
211
ARITHMETIC UNIT
CONTROLLER
SCALE
MEMORY
DISPLAY
POWER
SUPPLY
OPERATION
& INPUT UNIT
223
210
224
230

FIG. 14

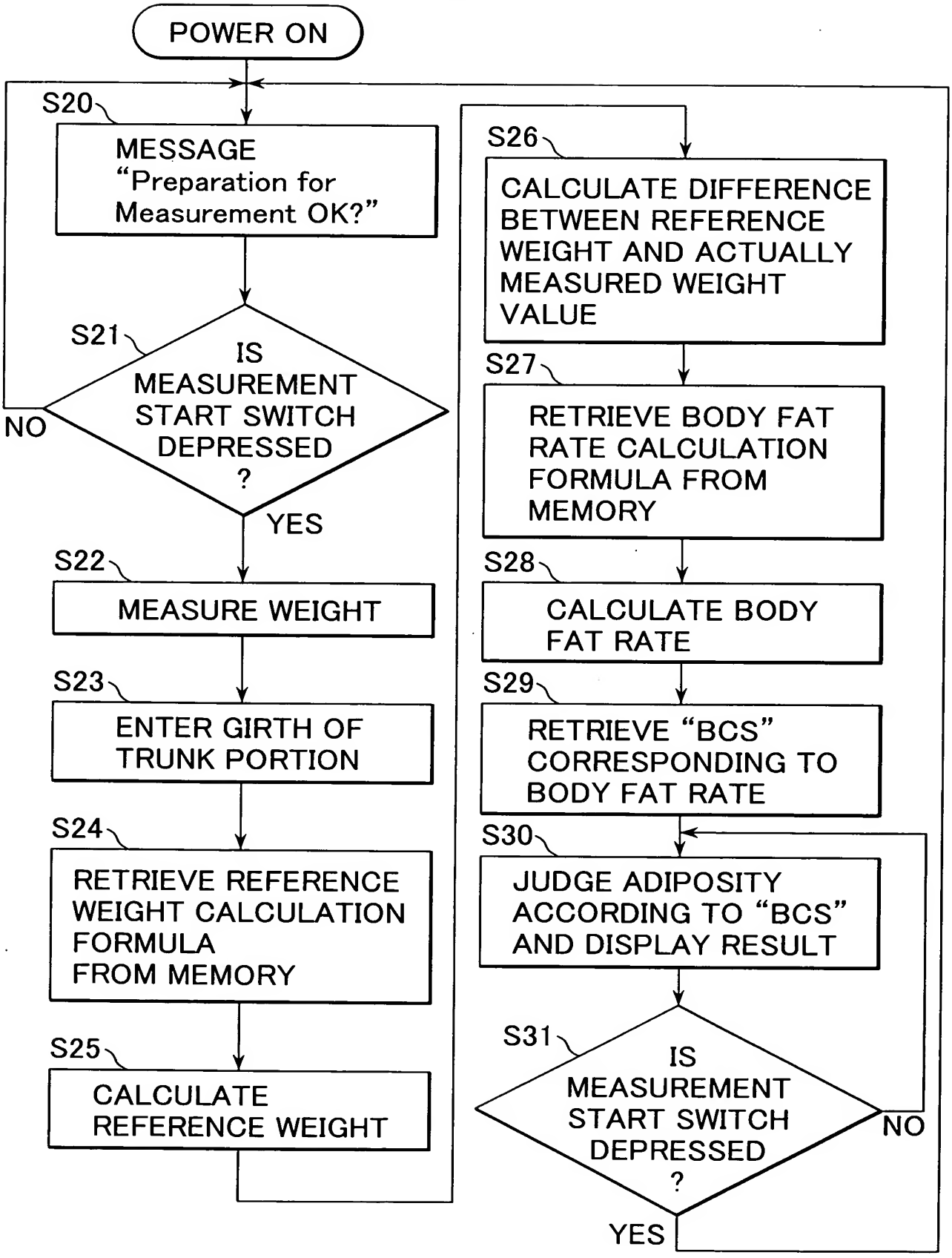
POWER ON
S20
MESSAGE "Preparation for Measurement OK?"
S21
IS MEASUREMENT START SWITCH DEPRESSED ?
NO
YES
S22
MEASURE WEIGHT
S23
ENTER GIRTH OF TRUNK PORTION
S24
RETRIEVE REFERENCE WEIGHT CALCULATION FORMULA FROM MEMORY
S25
CALCULATE REFERENCE WEIGHT
S26
CALCULATE DIFFERENCE BETWEEN REFERENCE WEIGHT AND ACTUALLY MEASURED WEIGHT VALUE
S27
RETRIEVE BODY FAT RATE CALCULATION FORMULA FROM MEMORY
S28
CALCULATE BODY FAT RATE
S29
RETRIEVE "BCS" CORRESPONDING TO BODY FAT RATE
S30
JUDGE ADIPOSITY ACCORDING TO "BCS" AND DISPLAY RESULT
S31
IS MEASUREMENT START SWITCH DEPRESSED ?
NO
YES

FIG. 15

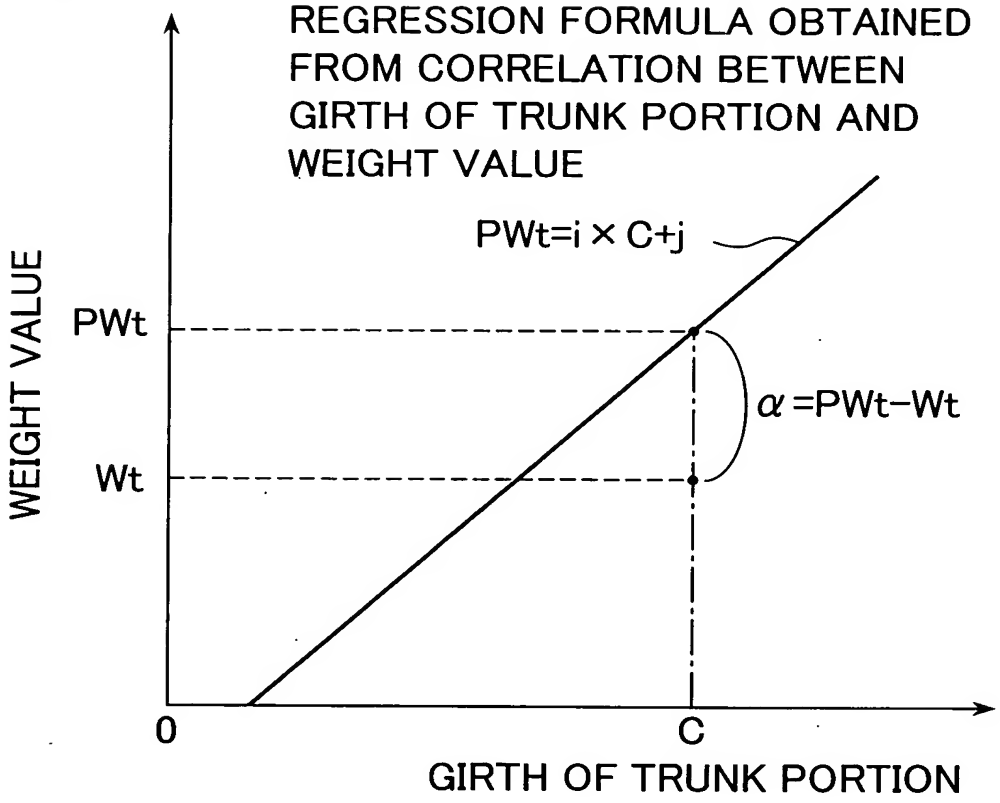
REGRESSION FORMULA OBTAINED
FROM CORRELATION BETWEEN
GIRTH OF TRUNK PORTION AND
WEIGHT VALUE
PWt=i × C+j
WEIGHT VALUE
PWt
Wt
α =PWt−Wt
0
C
GIRTH OF TRUNK PORTION

FIG. 16

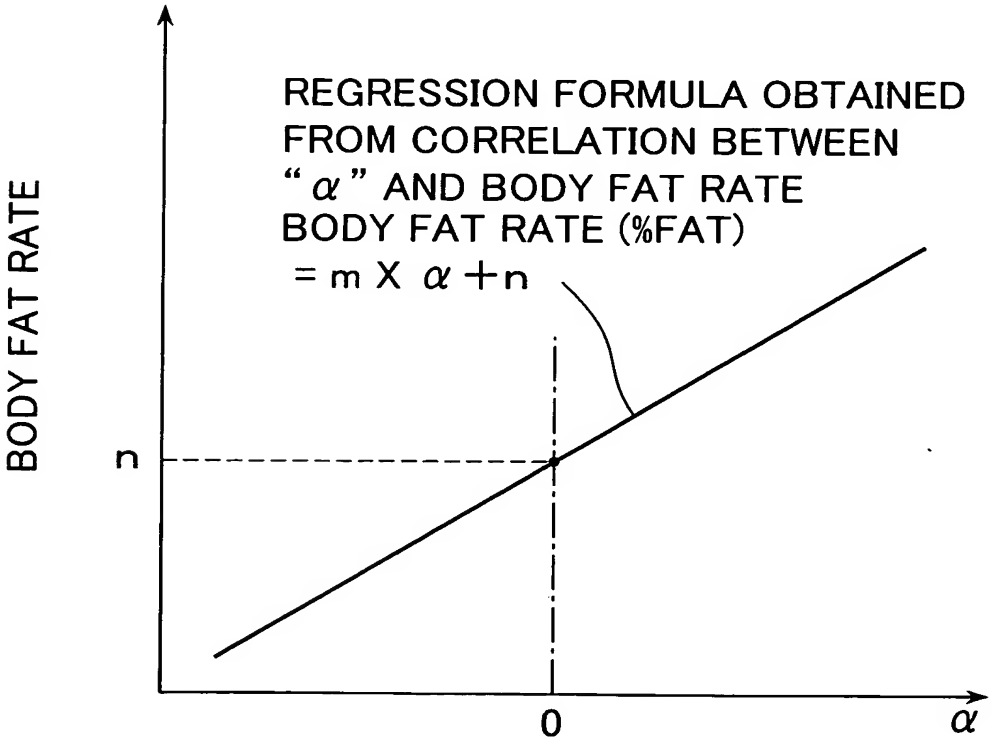
REGRESSION FORMULA OBTAINED
FROM CORRELATION BETWEEN
"α" AND BODY FAT RATE
BODY FAT RATE (%FAT)
= m X α +n
BODY FAT RATE
n
0
α

FIG. 17

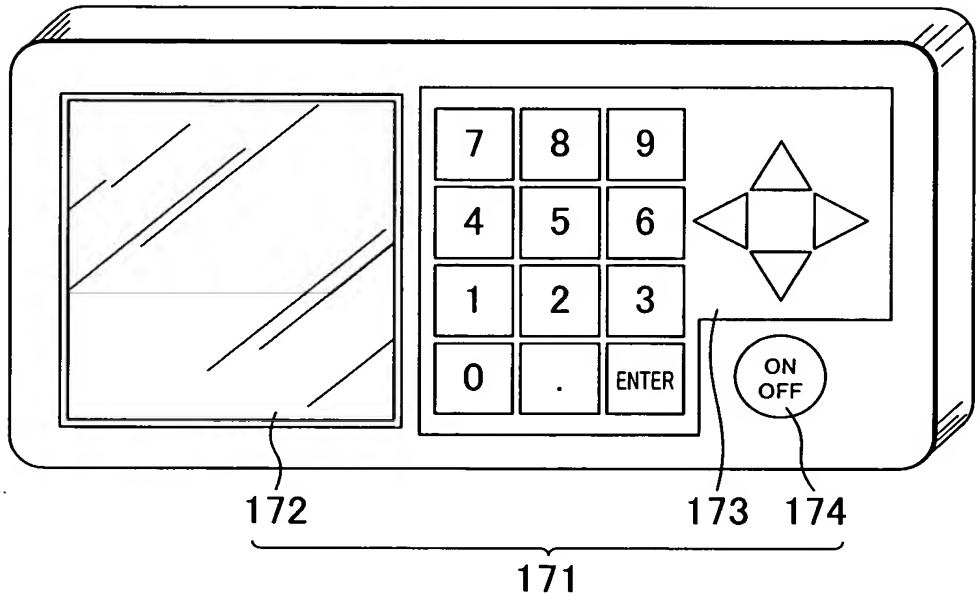
7
8
9
4
5
6
1
2
3
0
.
ENTER
ON
OFF
172
173
174
171

FIG. 18

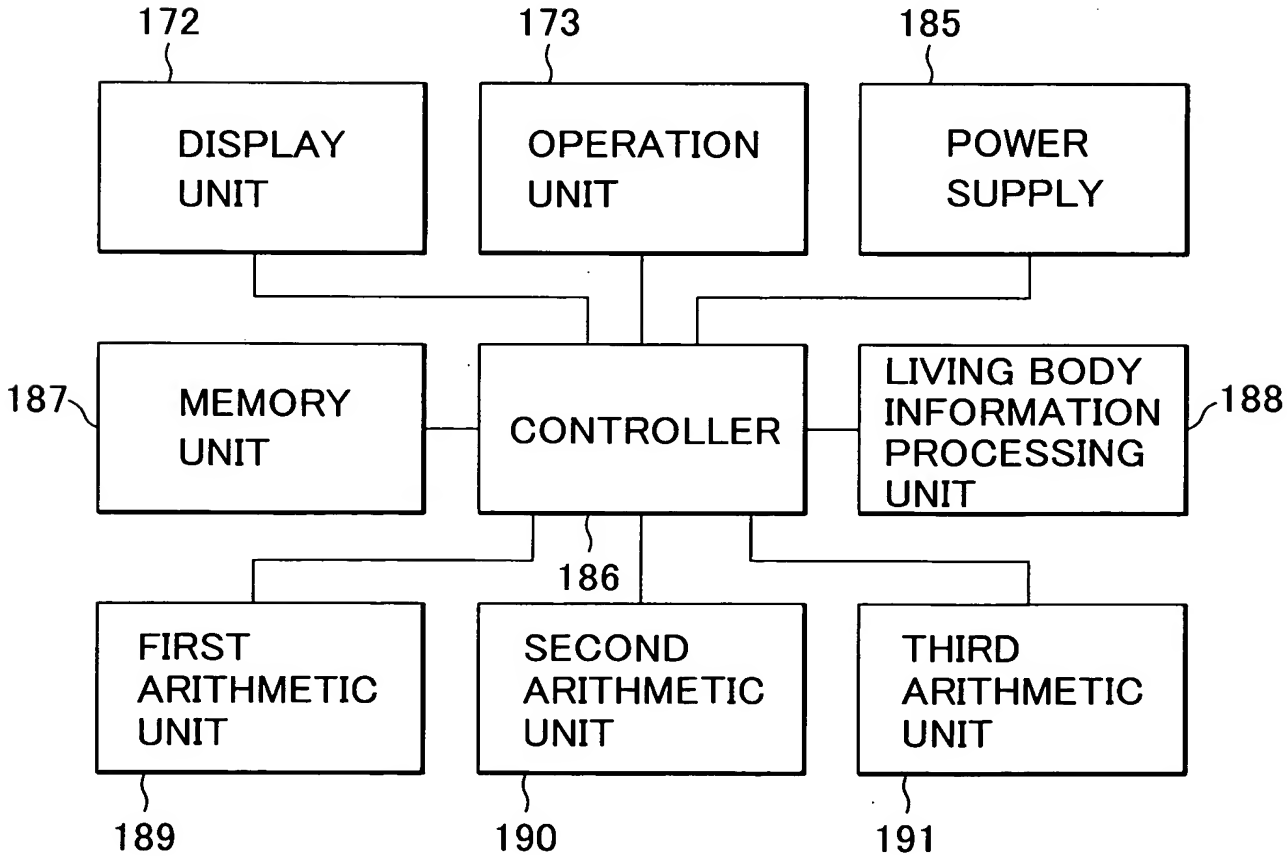
172
173
185
DISPLAY UNIT
OPERATION UNIT
POWER SUPPLY
187
MEMORY UNIT
CONTROLLER
LIVING BODY INFORMATION PROCESSING UNIT
188
186
FIRST ARITHMETIC UNIT
SECOND ARITHMETIC UNIT
THIRD ARITHMETIC UNIT
189
190
191

FIG. 19

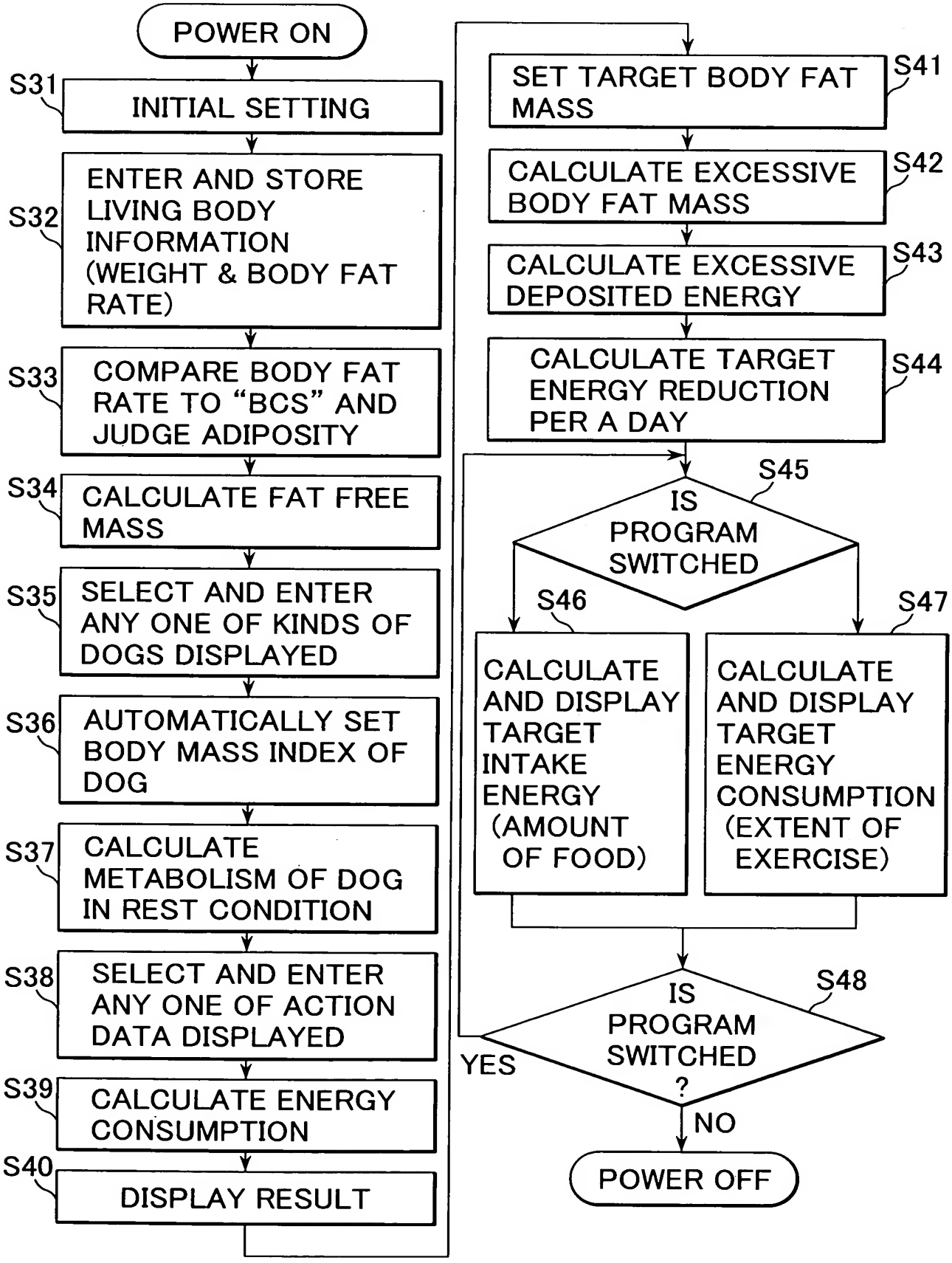
POWER ON
S31
INITIAL SETTING
S32
ENTER AND STORE LIVING BODY INFORMATION (WEIGHT & BODY FAT RATE)
S33
COMPARE BODY FAT RATE TO "BCS" AND JUDGE ADIPOSITY
S34
CALCULATE FAT FREE MASS
S35
SELECT AND ENTER ANY ONE OF KINDS OF DOGS DISPLAYED
S36
AUTOMATICALLY SET BODY MASS INDEX OF DOG
S37
CALCULATE METABOLISM OF DOG IN REST CONDITION
S38
SELECT AND ENTER ANY ONE OF ACTION DATA DISPLAYED
S39
CALCULATE ENERGY CONSUMPTION
S40
DISPLAY RESULT
S41
SET TARGET BODY FAT MASS
S42
CALCULATE EXCESSIVE BODY FAT MASS
S43
CALCULATE EXCESSIVE DEPOSITED ENERGY
S44
CALCULATE TARGET ENERGY REDUCTION PER A DAY
S45
IS PROGRAM SWITCHED
S46
CALCULATE AND DISPLAY TARGET INTAKE ENERGY (AMOUNT OF FOOD)
S47
CALCULATE AND DISPLAY TARGET ENERGY CONSUMPTION (EXTENT OF EXERCISE)
S48
IS PROGRAM SWITCHED ?
YES
NO
POWER OFF

FIG. 20

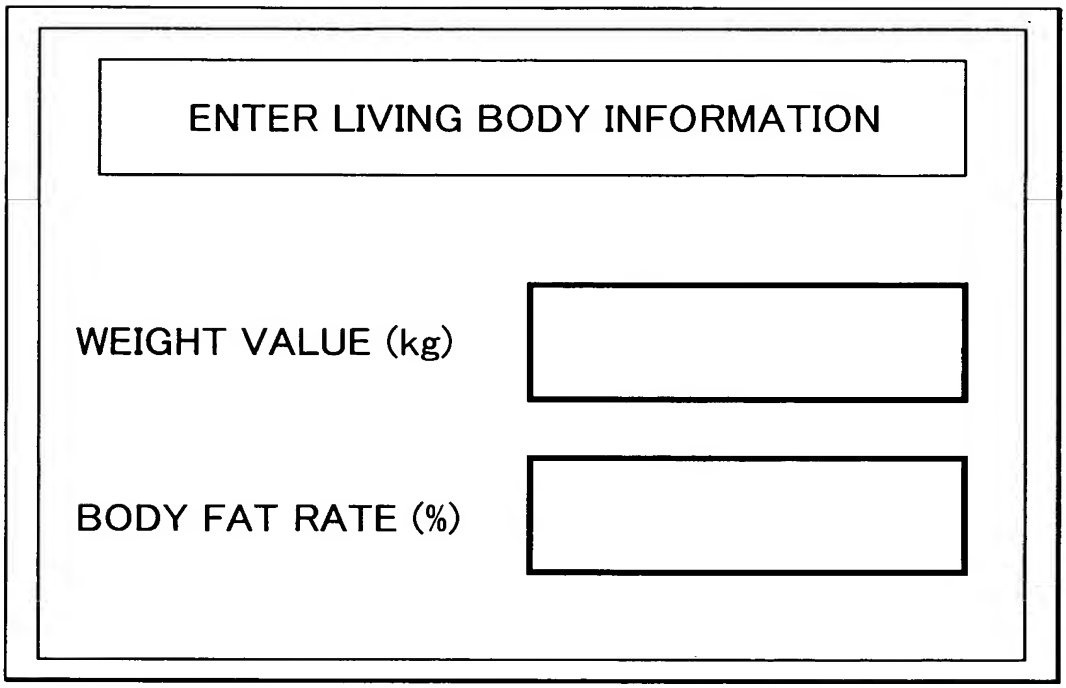
ENTER LIVING BODY INFORMATION
WEIGHT VALUE (kg)
BODY FAT RATE (%)

FIG. 21

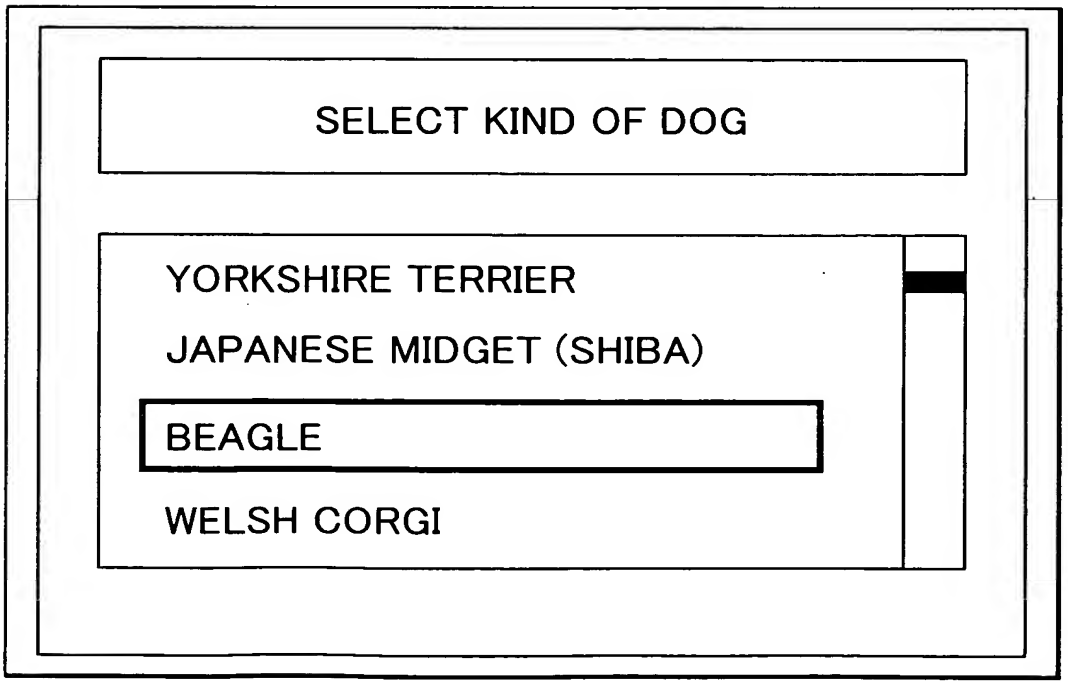
SELECT KIND OF DOG
YORKSHIRE TERRIER
JAPANESE MIDGET (SHIBA)
BEAGLE
WELSH CORGI

FIG. 22

KIND OF DOG	BODY TEMPERATURE CORRECTION FACTOR
CHIHUAHUA	1.0
YORKSHIRE TERRIER	1.1
JAPANESE MIDGET (SHIBA), FEMALE	2.8
JAPANESE MIDGET (SHIBA), MALE	3.3
BEAGLE	3.3
⋮	⋮
GOLDEN RETRIEVER, FEMALE	9.6
GOLDEN RETRIEVER, MALE	11.3
SAINT BERNARD, FEMALE	24.1
SAINT BERNARD, MALE	27.8

FIG. 23

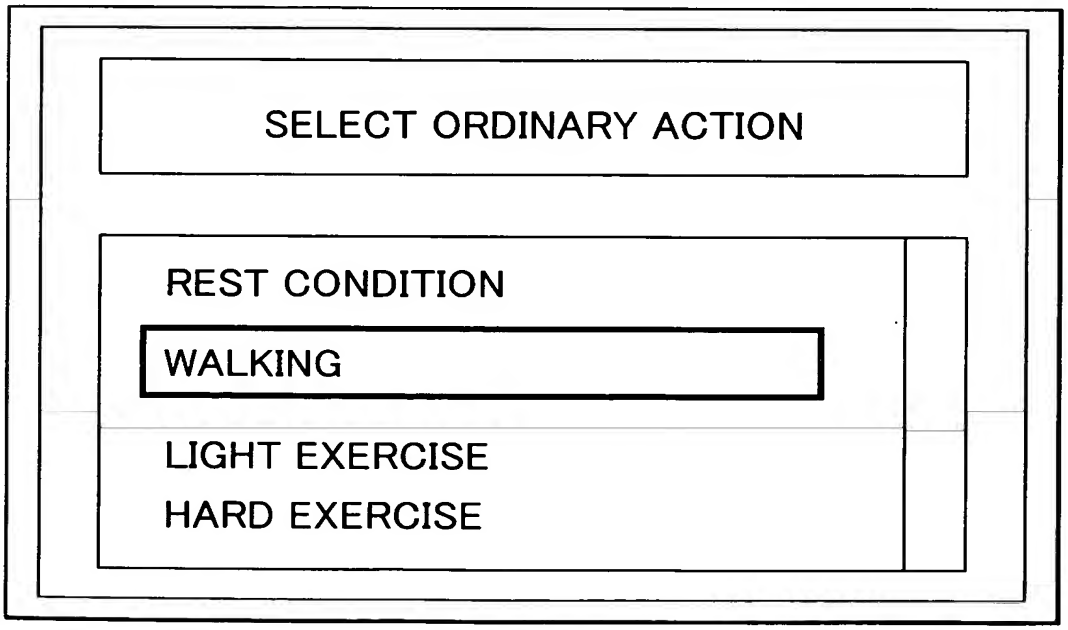

FIG. 24

ORDINARY ACTION	ACTION LEVEL INDEX
REST CONDITION	1
WALKING	2.5
LIGHT EXERCISE	4.0
HARD EXERCISE	6.2

FIG. 25

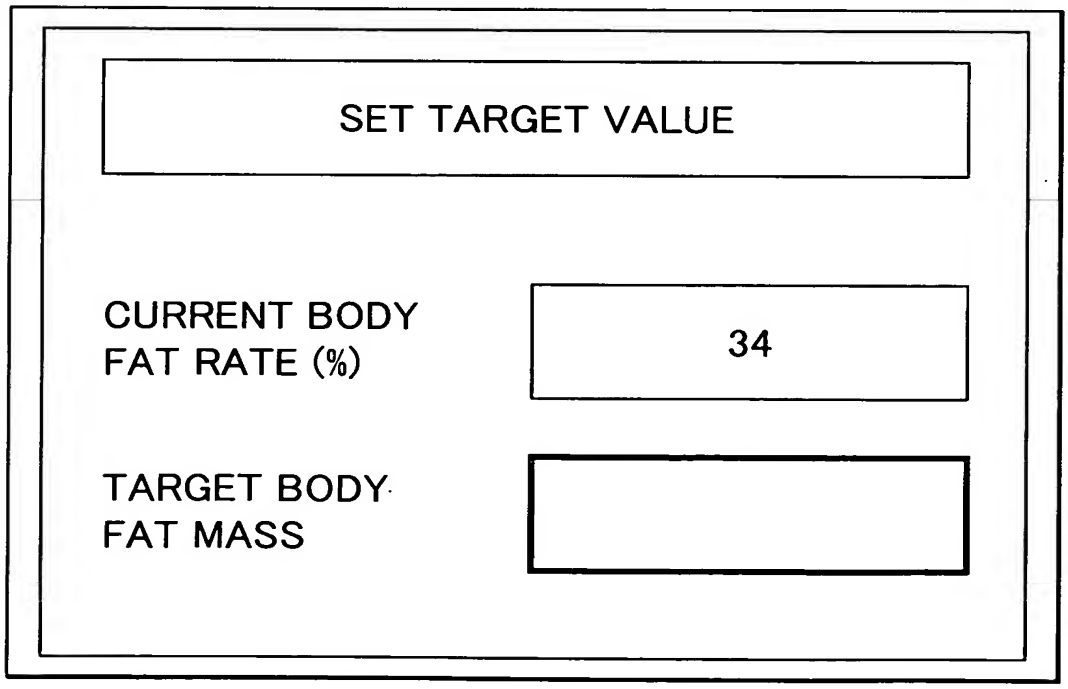

FIG. 26

WEIGHT VALUE (kg)	BODY TEMPERATURE CORRECTION FACTOR
W＜5	6.0
5≦W＜10	5.5
10≦W＜15	5.0
⋮	⋮
55≦W＜60	0.5
60≦W	0